

O. G. I. O'HEIR.
GARMENT CREASER.
APPLICATION FILED SEPT. 13, 1910.

986,850.

Patented Mar. 14, 1911.

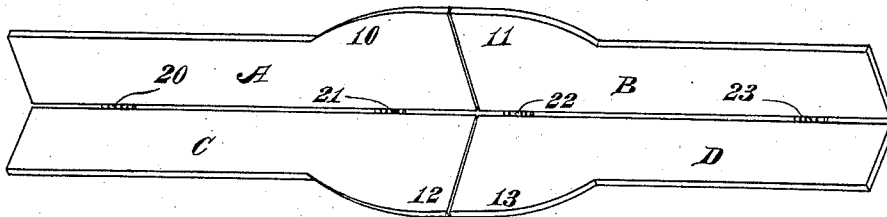


Fig. 1.

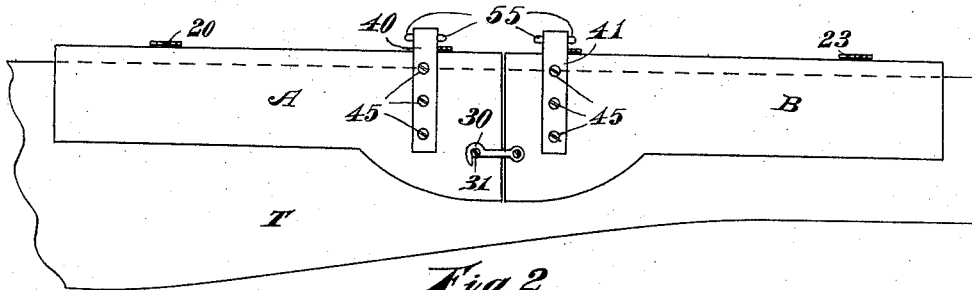


Fig. 2.

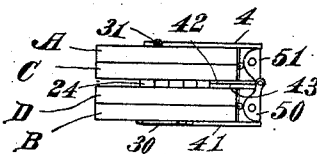


Fig. 3.

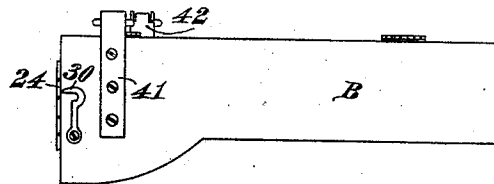


Fig. 4.

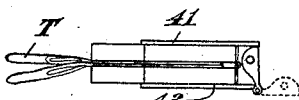


Fig. 5.

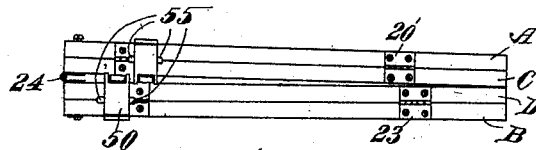


Fig. 6.

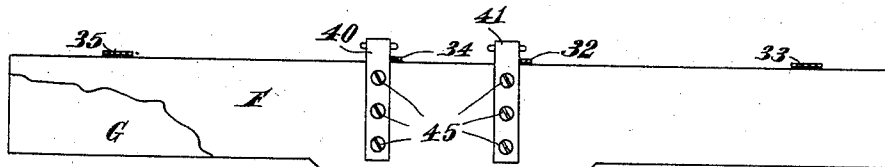


Fig. 7.

WITNESSES:

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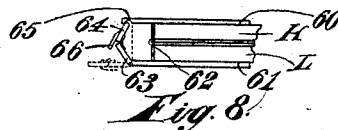


Fig. 8.

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GARMENT-CREASER.

986,850.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, OCTAVIAN G. I. O'HEIR, a citizen of the United States, residing at Lowell, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Garment-Creasers, of which the following is a specification.

My invention relates to devices for forming creases in articles of wearing apparel, and especially in men's trousers.

The object of my invention is to provide a device which will be as compact, simple and as small as possible for the purpose. In the preferred form of my device, it is arranged to fold into so small a compass that it can be readily carried in an ordinary grip or satchel.

In the drawings, Figure 1 is a perspective view of the device opened as far as it can be opened and ready to receive the garment to be creased. Fig. 2 is a top view of the device with a pair of trousers in place therein all parts being locked and in operative position. Fig. 3 is an end view from the left of Fig. 4 and Fig. 4 is a top view of the device folded for transportation. Fig. 5 is a view from the right of Fig. 2. Fig. 6 is a view from the top of Fig. 4. Fig. 7 is a modification of the device showing a solid or non-foldable construction. Fig. 8 shows a different form of clamping device.

My device comprises two leaves each of which may be solid as shown at F and G in Fig. 7, or each of which may be divided transversely into two sections as shown at A, B, and C, D, in the other figures.

My preferred form of the device consists of two leaves A, B and C, D each leaf being divided transversely to form two sections of board A, B, and C, D which are connected in the following manner. Section A is pivoted to C by hinges 20 and 21. Section B is pivoted to section D by hinges 22 and 23. Preferably at the inner end each section is enlarged or widened in a curved shape at 10, 11, 12 and 13. These widened portions are intended to more completely cover the knee portion of trousers or the elbow portion of a sleeve where the fabric is most likely to bag. Sections C and D of the under leaf are pivoted together by a hinge 24 and section B has a hook 30 adapted to engage a headed pin 31 on section A. It is apparent that by engaging hook 30 with pin 31, sections A and B will be held to-

gether as one leaf and the holding together of sections A and B will keep sections C and D together as another leaf. Between these leaves when their sections are united one edge of the trousers T or other garment is inserted as shown in Fig. 2 and in Fig. 5.

I find that it is convenient in pressing the garment in my device to lay the sections C and D on some flat support as a table and then lay the edge of the garment thereon and then to close down thereon section A and lock it. The rest of the garment which rests on section D can now be smoothed and adjusted after which section B is brought down thereon and locked after which the hook 30 is engaged with pin 31 thus holding all the parts in place.

In order to fold the device it is only necessary to remove hook 30 from pin 31, when the sections C and D carrying with them respectively sections A and B can be folded back on to each other as shown in Figs. 3, 4 and 6.

In the construction shown in Fig. 7, the two solid leaves F and G are of the length of the crease to be formed and may be much narrower than the width of the article to be creased as the trousers. The leaves F and G are straight along one edge and are hinged together at this straight edge by hinges 35, 34, 32 and 33. Near the middle of its other edge, each leaf is preferably made wider than at its end portions. One edge of the trousers to be creased is inserted between F and G in a similar manner to that shown in Fig. 2 and the two leaves are then closed together as shown. The means for holding the leaves together and for exerting pressure upon the garment interposed include the strips of metal 40, 41, 42 and 43. These strips are so attached by screws 45 to the outside of the leaves respectively that they project beyond the straight hinged edges thereof opposite to each other in pairs. 40 and 42 are opposite to each other and similarly 41 and 43. They are preferably more or less springy although this is not essential. Preferably for the foldable form of device, the pair 40 and 42 is arranged at a different distance from the junction of A, B and of C, D from pair 41—43 so that when the parts are closed as shown in Fig. 6 they will not strike each other. They are preferably attached above and below the hinges 21 and 22 for a reason to be stated. Pivoted to the projecting end of strip 43 is a cam 50 and

pivoted to the projecting end of strip 42 is a cam 51. Each cam 50 and 51 is so shaped and pivoted that when it is forced underneath the projecting end of strip 41 or 40, it will exert pressure thereon which pressure
 5 will be transmitted through the strips to the leaves to which they are attached thus holding them firmly, locking them together and exerting pressure upon the interposed garment. Preferably, the inner end or nose of
 10 each cam projects just sufficiently to strike the knuckle of one of the hinges 21 or 22 which helps to hold it in place. Each cam also is preferably provided with finger grips
 15 55 by which the cams can be opened and closed more readily. It is evident that one pair of strips only may be used or that more than two pairs may be used if desired.

It is evident that any other form of cam
 20 may be used with my device or any other device which can be operated from the straight edge of the device to exert pressure between the leaves. For instance, in Fig. 8, I show strips 60 and 61 attached to and projecting beyond the edges of leaves K and L
 25 which are hinged at 62. To the projecting end of strip 61, I pivot a toggle which comprises members 63 and 64. One end of member 63 is pivoted to strip 61 and its other
 30 end is squared as shown in Fig. 8 as is also the adjoining end of member 64. Members 63 and 64 are pivoted at their inner edge whereby in connection with the squared ends they can open outward but are limited by
 35 the squared ends and prevented from opening inward. Under the end of strip 60 is a groove 65 adapted to receive the free end of member 64. Preferably member 64 also carries a protecting tail 66 which extends
 40 over the joint between it and 63 to protect the fingers of the operator. It is evident that the toggle can be thrown back out of the way as shown by the dotted lines. To lock the parts, the end of 64 is inserted in
 45 groove 65 and members 63 and 64 are pushed inward with a toggle action until they stand straight between 60 and 61 exerting the necessary pressure thereon and locking the parts in place.

50 The principal feature of my device is the

leaves hinged or pivoted at one edge and provided with means at that edge for exerting pressure between the leaves and for locking them together.

What I claim as my invention and desire 55 to cover by Letters Patent is:—

1. In a device for creasing trousers, two leaves pivoted together at one of their adjoining edges each being widened at the opposite edge near the middle part thereof 60 and each being composed of two sections, the sections of one leaf being pivoted together and the sections of the other leaf being detachably attached together, together with two pairs of strips which are so attached to 65 the outside of said sections as to extend over part of the widened portions of each and to project beyond the pivoted edges of the leaves, and cams pivoted to the projecting ends of the strips on one leaf so as to engage 70 the projecting ends of the strips on the other leaf.

2. In a device for creasing trousers, two leaves pivoted together at one of their adjoining edges each leaf being composed of 75 two sections the sections of one leaf being pivoted together and the sections of the other leaf being detachably attached together, together with two sets of strips which are attached to the outside of said sections so as 80 to project beyond the pivoted edges of the leaves, and cams pivoted to the projecting ends of the strips on one leaf so as to engage the projecting ends of the strips on the other leaf. 85

3. In a device for creasing trousers, two leaves hinged together at one edge and provided with means at the hinged edge for firmly closing the leaves together and locking them in that position, each of said leaves 90 being divided transversely into two sections, the sections of one of said leaves being hinged together and the sections of the other being detachably attachable.

In testimony whereof I hereto affix my 95 signature in presence of two witnesses.

OCTAVIAN G. I. O'HEIR.

Witnesses:

MARY J. DIX,
 GARDNER W. PEARSON.